NT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
	IT – 27289 –		
	WT – 109157 –		
	twe – 27289 –		
	CBF – 2729 –		
	Roy – 44266 –		
	Total – 210730=00		
	6/8/16		

First & Final bill
Recorded on:-

SBRNO: 70/16-17/At: 27/7/16 Work Code:- 006-15-000037 000029

M. A. R. 57 (Rule 116)
Measurement Book No. B

Work order NO:- BBMP/EE/BTP/W-0/08/2015-2016. Date 30/04/2016 264828

Serial No. .....Improvements to Roads and drains at Left hand Side of Maruthi

Name of Work Layout in ward NO-176 Byatarayanapura Sub division.

Name of Contractor of nature of Agency NITHIN.R. NO-68, Muneshwara Layout, 5th Cross, Bangalore-91

Date of commencement of work ..... Est Cost:- 30.00 Lakhs

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(1) KSRB 2-1-1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.					BR-HMB	31/8/16
	Quantity as per pre measurement are recorded in this MB and page no of:- 264888-89:- 220.05 m³ @ RS. 140.00						30807.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	② KSRB 2.2.1: Earth work excavation for foundation of buildings, culverts water supply, Sanitary line and electrical Conduits either in pits or in trenches 1.5m and above in width. in hard soil not exceeding 1.5mm in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods Complete as per Specifi Cations. Quantity as per pre measurements are recorded in this MB and page no of:- 264890:- 214.85m³ @RS. 249.00 53497.65						
	③ Removing B.S. Slab of drain and stacking etc as per Specifications & directions of the engineer in charge of work.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	3
	Quantity as per pre on in this MB and page	
	④ Refixing stone slabs Per Specifications and dir work.	
		Quan
	⑤ Providing granite slabs	

BOOK

s		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
for foundation of buildings, e and electrical Conduits and above in width. in epth including dressing trenches, stacking the of excavation with lead s Complete as per specifi			
ent are recorded 264890:- 214.85m³ @RS. 249.00			53497.65
and stacking etc as per e engineer in charge of work.			

M. A. R. 57 (Rule 116)
Measurement Book

No. B
264834

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Quantity as per pre measurement are recorded in this MB and page no of:- 264891:-					668.25m² @RS. 58.00	38758.50
④	Refixing stone slabs of drains and pointing in cm(1:3) etc as per Specifications and directions of the engineer in charge of the work. Quantity vide item no:③:-					668.25m² @RS. 72.00	481114.00
⑤	Providing granite slabs of selected quality roughly dressed & fixed in						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cement mortar (1:6) including fixing curing etc Complete -do- 7.5 Cms THICK clear as per specifications and directions of the engineer in charge of the work.						
	1st main Road:	1	15.00	1.65	-	49.50	
		1	15.00	1.65	-	49.50	
		1	15.00	1.65	-	49.50	
		1	15.00	1.65	-	49.50	
	C/F	1	9.20	1.65	-	30.36	
		1	15.00	1.65	-	49.50	
		1	17.00	1.65	-	56.10	
						333.96 m²	
	Limited to Schedule 'B' Quantity:- 222.75 m² @ Rs. 620.00						1,38,105.00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

Date	Full description, etc, of work
1	2
(6)	KSRB 4-1.3: Providing of mix of 1:4:8 with graded granite me aggregates @ 0.57 not exceeding 15 plinth including Co curing Complete as Quantity as per in this MB and

OK

Depth 6	Contents 7	Reference to last Measurement 8
curing etc Complete -do- d directions of the engineer		
-	49.50	
-	49.50	
-	49.50	
-	49.50	
-	30.36	
-	49.50	
-	56.10	
	333.96 m²	
ntity:- 222.75m²		
RS. 620.00	138,105.00	

M. A. R. 57 (Rule 116)
Measurement Book
No. B

264835

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1.	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
6	KSRB 4-1.3: Providing and laying in position of mix of 1:4:8 with opc Cement at 180 kgs. with graded granite metal Coarse aggregates @0.89 cum and fine aggregates @0.57 cum machine mixed Concrete laid in layers not exceeding 15cms Thick well Compacted in foundation and plinth including Cost of all materials, labour, Hire of machinery curing Complete as per Specifications. Quantity vide as per pre-measurement are recorded in This MB and page No of:- 264892-93:-					38.41 m³ @RS. 4800.00	184368.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	mix plant carriage of mixed method of tipper to Site, laying in uniforms layers with Paver in Sub base Course on well prepared Surface and Compacting with vibratory roller to achieve the desired density Complete as per Specification.						
	Quantity as per pre-measurement are recorded in this ms and page no of:- 264896-98: 407.00 m³ @RS. 1668.00					678,806.00	
	(15) KSRRB 500-4: Providing and applying primer Coat from 7.5 to 9.8 kg and 9.8 to 12.2 kg per 10 Sqm for Surfaces of low and medium porosity respectively over prepared Surface of granular base with Cut back or C-70 or any						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	other bitumen or... -on boiler fitted with... including Cost of a... as per Specifications... Quantity as per pr... in this ms are...
	(16) KSRRB or 500-18: P... Concrete 25 mm ...

Contents	Reference to last Measurement
7	8
tipper to Site. laying bole Course on well vibratory roller per Specification. recorded 407.00 m³ 1668.00	6,74,806.00
immer Coat from for Surfaces vely over prepared nc-to-to any	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 264842

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	other bitumens mixed with diesel at 10kg per 10 Sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour Hire of machinery & Complete as per Specifications. Quantity as per pre-measurement are recorded in this MB and page no of:- 264898-264900:- 2035.00 m²						1,32,275.00
(16)	KSRRB cl 500-18: Providing and laying Semi dense bituminous Concrete 25 mm Thick with 100-120 TPH batch type Hmp producing					CRS. 65.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	an average output of 75 tonnes per hour using Crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with screed Control to the required grade level and alignment, rolling with smooth wheeled vibratory & tandem roller to achieve the desired Compaction as per MoRTH Specifications.						
	9th Gross :- (Maruthi Layout)	1	15.00	$\frac{5.90+5.90}{2}$	0.025	2.21	
		1	15.00	$\frac{5.90+5.60}{2}$	0.025	2.16	
		1	15.00	$\frac{5.60+5.60}{2}$	0.025	2.10	
		1	15.00	$\frac{5.60+5.70}{2}$	0.025	2.12	
						Cont'd on	

30/7

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Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of work
1.	2

ಸಾ.ಅ.

10th Gross :
(Maruthi Lyt)

DK

Depth 6	Contents 7	Reference to last Measurement 8
ower	doing Crushed aggre	
with	bituminous binder	
orting	the hot mix	
atic	paver finisher	
	grade leveland	
wheeled	vibratory &	
	Compaction as per	
0.025	2.21	
0.025	2.16	
0.025	2.10	
0.025	2.12	

M. A. R. 57 (Rule 116)
Measurement Book

No. B
264843

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	15.00	$\frac{5.70+5.70}{2}$	0.025	2.14	
		1	15.00	$\frac{5.70+6.00}{2}$	0.025	2.19	
		1	15.00	$\frac{5.00+5.80}{2}$	0.025	2.21	
		1	10.30	$\frac{5.80+5.70}{2}$	0.025	1.48	
	10th Cross :-	1	15.00	$\frac{4.70+4.70}{2}$	0.025	1.76	
	(Maruthi Lyt)	1	15.00	$\frac{4.70+4.40}{2}$	0.025	1.71	
		1	15.00	$\frac{4.40+4.60}{2}$	0.025	1.69	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	C & F.C.	1	15.00	$\frac{4.60+4.60}{2}$	0.025	1.73	
	₹. 30/7	1	15.00	$\frac{4.60+5.20}{2}$	0.025	1.84	
	ಶಾ.ಅ. (ಪಾ.ಪ) 11th Gross :-	1	12.60	$\frac{5.20+5.30}{2}$	0.025	1.65	
		1	15.00	$\frac{5.30+5.70}{2}$	0.025	2.14	
	(Marthi Layout)	1	15.00	$\frac{5.70+5.20}{2}$	0.025	2.04	
	Cafe only	1	15.00	$\frac{5.20+5.10}{2}$	0.025	1.93	
		1	15.00	$\frac{5.10+5.00}{2}$	0.025	1.89	
		1	15.00	$\frac{5.00+5.20}{2}$	0.025	1.91	
		1	11.00	$\frac{5.20+4.80}{2}$	0.025	1.38	
	1st moorn :-	1	15.00	$\frac{5.40+5.40}{2}$	0.025	2.03	

Serial No. .....

Name of Work ..... F

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	Cafe only	1 1 1 1 1 1 1
	Limited to	

Contents	Reference to last Measurement
7	8
1.73	
1.84	
1.65	
2.14	
2.04	
1.93	
1.89	
1.91	
1.38	
2.03	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 264844

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cafe on	1	15.00	$\frac{5.40+5.70}{2}$	0.025	2.08	
		1	15.00	$\frac{5.70+5.70}{2}$	0.025	2.14	
		1	15.00	$\frac{5.70+5.70}{2}$	0.025	2.14	
		1	9.20	$\frac{5.70+6.00}{2}$	0.025	1.35	
		1	15.00	$\frac{5.50+5.50}{2}$	0.025	2.16	
		1	17.00	$\frac{5.50+5.40}{2}$	0.025	2.32	
						52.48 m³	
	Limited to schedule B quantity: 50.88 m³ @ Rs. 9000.00						4,57,920.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(17) Lead for disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading. from 0.00 to 2.00 km etc as per Specifications & directions of the engineer in charge of the work.						
	AE 27/7/2016						
						Quantity vide item no (1) + (2)	
						[220.05 m^3 + 214.85 m^3] : 434.90 m^3	
						@ Rs. 65.00	28268.50
						Total bill Amount Rs.	2817271.50
	CERTIFICATE :-						
	(1) Certified that the above work done is satisfactorily						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Completed.
	(2) Certified that the work Spot.
	AE 27/7/2016

Contents	Reference to last Measurement
7	8
...le at Carriage loading and per Specifications of the work.	
...+(2)	
...]:-434.90m³	
...65.00	28268.50
...nt Rs. 28,17,271.50	
...is Satisfactorily	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 264845

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Completed. (2) Certified that the Agency has cleared the debris from the work Spot. AE 27/7/2016 ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-24 27/7/2016						

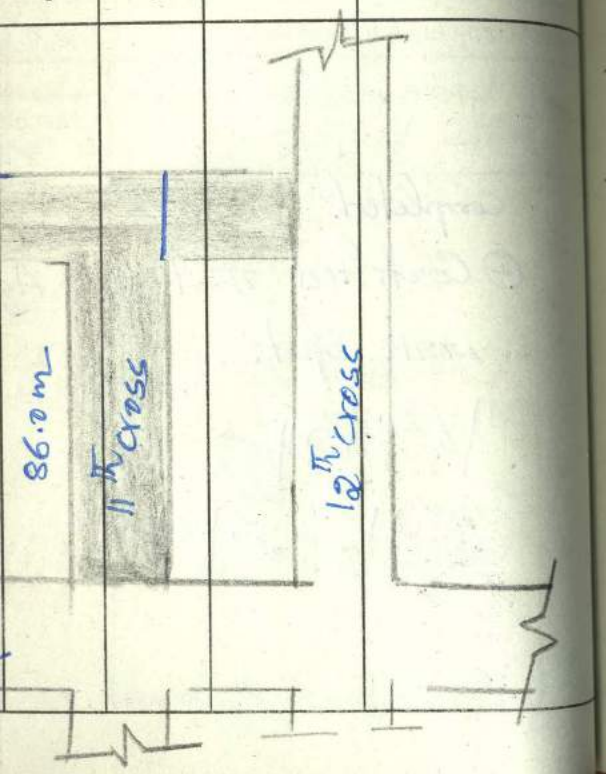
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			L=101.2m				
	1st Main Road						
			L=115.3m				
			L=87.6m				
		4					
				86.0m			
					11 K cross		
						12 K cross	
	2nd Main Road						

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಚಿಕ್ಕಬಳ್ಳಾಪುರ ಉಪ ವಿಭಾಗ

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8



M. A. R. 57 (Rule 116)
Measurement Book

No. B 264846

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		28,17,200 =				IT — 28172 —	
		241067 =				WT — 112688 —	
						LWL — 28172 —	
						CBT — 2817 —	
						Roy — 69218 —	
						Total — 241067 =	
		25,76,133 =				By Wages — 25,76,133 =